

## **BENEFITS OF TSP VACUUM BOXES: DEPENDABLE PERFORMANCE**

TSP Vacuum Devices are pre-tested to assure maximum reliability. Our designs have been thoroughly field tested for several years in a variety of applications. These vacuum boxes do not require a vacuum pump but employ the venturi effect using compressed air (plant site or compressor supplied) to evacuate air from inside the boxes. Each vacuum box is supplied with the air ejector assembly and a vacuum gauge.

### **SIMPLE TO OPERATE**

The air ejector has no moving parts and no lubrication is necessary. After applying leak detection fluid along seam, simply place the vacuum device over the area to be tested and open the air valve.

### **RUGGED YET LIGHTWEIGHT**

Our shockproof Vacuum Devices are built with lightweight acrylic which can be heat formed for special applications. The tough rubber gasket is designed to provide a maximum seal.

### **FAST, SAFE EVACUATION**

Air ejection on standard models takes less than 30 seconds to reach a level of about 10 in/Hg. Our ejector is explosion proof. It uses no electricity. Your compressed air supply (60-120 psi) will insure safe, economical operation.

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### **Flat Bottom Vacuum Box Model Number 30FB**

This unit is used primarily for testing the flat bottom of storage tanks.

Shipping Dimensions:  
36"L X 9"W X 5"H  
(including ejector and gauge)

Approx. Weight: 18 lbs.



Flat Bottom Vacuum Box

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## Corner Vacuum Device Model Number 18CB

These units are specifically designed for testing the inside corner (where the bottom meets the sidewall at 90 degrees) of storage tanks. This unit is designed for use in storage tanks less than 75 feet in diameter.

Shipping Dimensions:  
23" x 7"W x 7"H  
(including ejector & gauge)

Approx. Weight: 15 lbs. (6.8kg)



Corner Vacuum Box 18CB

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## Corner Vacuum Device Model Number 30CB

These units are specifically designed for testing the inside corner (where the bottom meets the sidewall at 90 degrees) of storage tanks. This unit is designed for use in storage tanks 75 feet to 150 feet in diameter.

Shipping Dimensions:  
34"L x 4"W x 7"H (including ejector & gauge)      Approx. Weight: 16 lbs. (7.3kg)

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## Corner Vacuum Device Model Number 40CB

These units are specifically designed for testing the inside corner (where the bottom meets the sidewall at 90 degrees) of storage tanks. This unit is designed for use in storage tanks greater than 150 feet in diameter.

Shipping Dimensions:  
44"L x 7"W x 7"H (including ejector & gauge)      Approx. Weight: 18 lbs. (8.2kg)

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## Flexible Vacuum Device

Model Number 30FB Flex

Shipping Dimensions:  
35 1/2"L x 9"W x 5"H  
(including ejector and gauge)

Approx. Weight: 13 lbs. (5.9 kg)



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## Connections

The air inlet on the venturi, which connects to the air hose, is a 1/4" female NPT thread. The inlet, which connects to the box, is a 1/2" female NPT thread. All connections are provided with the box including a quick disconnect. A standard 3/8" diameter air hose will accommodate the box.

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## Special Order Devices

TSP will design and build a Vacuum Device to suit your specific needs. Examples of some of our SPECIALS include: Inside Corner Boxes for use on internal 90 degree corners where the side, end, and bottom of a tank meet. Boxes for use on openings in plates, etc. Cubes or Cylinders for use in penetrations protruding above plates, etc.